

In the Claims

This listing of claims replaces all prior versions and listings of claims:

1. (currently amended) An information processing system comprising:

a first information processing apparatus and a second information processing apparatus, said first information processing apparatus comprising:

 a storage means which stores a first biological identification data associated with a predetermined portion of a subject's living body; and

 a first communication means for performing communication when held proximate to ~~[[a]] the predetermined position-portion of~~ ~~[[a]] the subject's~~ living body, and

 the second information processing apparatus comprising:

 a biological sensor which detects biological information from the subject's living body;

 a second communication means which communicates with the first communication means;

 an extraction means which extracts a second biological identification data from the biological information detected by the biological sensor; and

 a biological authentication means which performs biological authentication, based on the second biological identification data and on the first biological identification data, said first biological identification data being obtained from the first information processing apparatus via the first and second communication means.

2. (previously presented) An information processing apparatus comprising:

 a biological sensor which detects biological information from a living body when held proximate to a predetermined position of the living body;

 a near-distance communication means which communicates with a communication target;

 an extraction means which extracts biological identification data from the biological information detected by the biological sensor; and

a biological authentication means which performs comparison, based on the biological identification data a registered biological identification data, said biological identification data being obtained from the communication target via the near-distance communication means.

3. (original) The information processing apparatus according to claim 2, further comprising:

network communication means which communicates with a management server managing the communication target, via a predetermined network; and

relay means which relays mutual authentication between the communication target and the management server via the network communication means and the near-distance communication means, wherein

in accordance with a result of the mutual authentication, comparison is performed by the biological authentication means, or in accordance with a comparison result by the biological authentication means, the mutual authentication is relayed by the relay means.

4. (original) The information processing apparatus according to claim 2, further comprising network communication means which communicates with a management server which manages the biological identification data registered in the communication target, establishing a correspondence thereof, wherein

the biological authentication means compares mutually one another of the biological data at the predetermined portion, extracted by the extraction means, the biological identification data obtained from the management server via the network communication means, and the biological identification data obtained from the communication target via the near-distance communication means.

5. (original) The information processing apparatus according to claim 2, further comprising network communication means which communicates with a management server via a predetermined network, the management server managing the biological identification data registered in the communication target and compressed data by use of data obtained in a process up to generation of the biological identification data, with a correspondence established between

the biological identification data and a compressed data, wherein:

the extraction means generates the compressed data by use of data obtained in a process up to extraction of the biological data at the predetermined portion from the biological data detected by the biological sensor; and

the biological authentication means compares the compressed data generated by the extraction means with the compressed data obtained from the management server via the network communication means.

6. (original) The information processing apparatus according to claim 5, wherein the biological authentication means compares the compressed data generated by the extraction means with the compressed data obtained from the management server via the network communication means, as well as the biological data at the predetermined portion, extracted by the extraction means, with the biological identification data obtained from the communication target via the near-distance communication means.

7. (previously presented) The information processing apparatus according to claim 2, wherein the communication target is provided with a light source,
the information processing apparatus further comprising:

generation means which generates a flicker pattern to control a flickering state of the light source, and

encryption means which encrypts the flicker pattern generated by the generation means, and

the biological authentication means compares the flicker pattern with a luminance pattern of the biological data, which is detected by the biological sensor through the living body brought close to the predetermined position and emitted with light flickered in accordance with the flicker pattern from the light source in the communication target brought close to the predetermined position.

8. (canceled)

9. (currently amended) An information processing apparatus comprising:

equipment means which is equipped on a predetermined portion of a living body and has
(1) a storage means which stores a first biological identification data associated with the predetermined portion of the living body[.]; and (2) a communication means which is held by the equipment means and transmits the first biological identification data directly to a communication target to which the predetermined portion equipped with the equipment means is brought close, and

a biological authentication means which performs biological authentication, based on the first biological identification data and on a second biological identification data, said second biological identification data being extracted from biological information detected by a biological sensor.

10. (original) The information processing apparatus according to claim 9, further comprising voltage accumulation means which accumulates a voltage induced in response to reception of a signal supplied from the communication target, wherein

the communication means transmits the biological identification data to the communication target, using the voltage accumulated by the voltage accumulation means as an electromotive force.

11. (original) The information processing apparatus according to claim 9, wherein the equipment means is constituted by

a circular ring portion, and
a light source which is provided on the ring portion and emits imaging light on the identification target at the predetermined portion, and
the imaging light is guided to an imaging element provided on the communication target, through the living body brought close to the communication target.

12 (original) The information processing apparatus according to claim 9, wherein

Serial No.: 10/596,966
Docket No.: 09792909-6649
Amendment "B", dated May 4, 2010
Reply to the Office Action of February 4, 2010

the imaging light is emitted, flickered in accordance with a flicker pattern supplied from the communication target,

the flicker pattern is compared with a luminance pattern of images sequentially generated on the basis of the imaging light.